

TABLE 2.—Stations in the eastern one-third of the Nation recording unusually heavy precipitation in a 24-hr period in July 1969

Station	Precipitation (inches)	Date
Evansville, Ind.....	3.36	20-21
Indianapolis, Ind.....	4.00	20
Mansfield, Ohio.....	5.06	4-5
Mount Washington, N.H.....	*7.26	29-30
Allentown, Pa.....	4.54	27-28
Atlantic City, N.J.....	4.85	20-21
Washington, D.C.....	4.40	22-23
Richmond, Va.....	5.73	22-23
Norfolk, Va.....	5.64	26-27
Wilmington, N.C.....	3.27	30-31
Tallahassee, Fla.....	4.68	21-22

*All-time record

precipitation in a 24-hr period, most of which fell in the last one-third of July, are listed in table 2.

4. TROPICAL STORMS

The first tropical storm of the season was reported on July 28 in the Atlantic, near 12.0° N., 41.0° W. Named Anna, this storm apparently had its origin in a depression that moved off the African coast on the 23d. Anna never quite reached hurricane status and became a very small system that moved rapidly northward off the Atlantic coast, passing about 200 mi east of Cape Hatteras, N.C., on August 2 before turning out to sea. This storm was steered by the circulation around a stronger than normal 5-day mean subtropical High near 35° N., 55° W.

Three tropical storms, Ava, Bernice, and Claudia, were observed in the eastern Pacific during July. All moved west-northwestward in the subtropical easterlies; none affected any land areas and only Bernice attained hurricane status.

Three tropical storms were also observed in the western Pacific. Winnie remained a tropical storm while Tess and Viola reached typhoon intensity. All remained in the easterlies with Viola by far the largest and most severe. This storm caused heavy damage in the Philippines on July 27 and brushed Taiwan with 130-kt winds before moving into China.

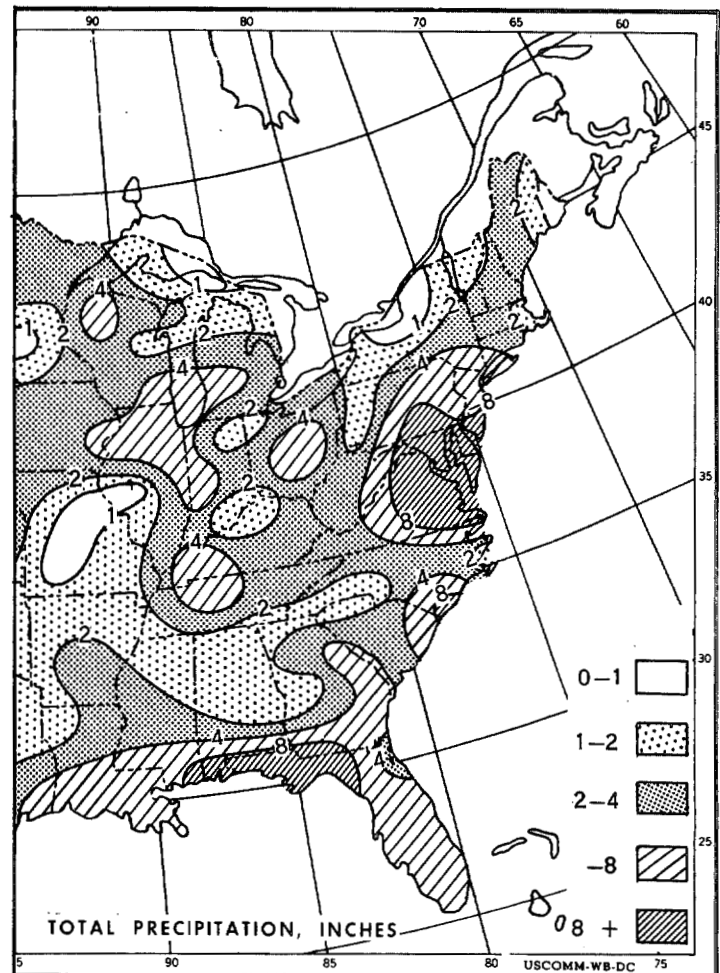


FIGURE 7.—Total precipitation (inches, approximate) for July 16-31, 1969.

REFERENCES

- Environmental Data Service, ESSA, *Weekly Weather and Crop Bulletin*, Vol. 56, No. 32, Aug. 11, 1969.
 Wagner, A. J., "The Weather and Circulation of June 1969—A Predominantly Cool and Wet Month," *Monthly Weather Review*, Vol. 97, No. 9, Sept. 1969, pp. 684-690.

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